

How to troubleshoot Fortify not scanning some files in a project



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Question

Why is Fortify not scanning some files in my project?

Answer

There are a number of reasons Fortify may not be scanning some files that you expect it to be scanning. First check to make sure the project, solution, sourceanalyzer command line or selected files includes the files to be scanned. If it looks like the file is included, one of the following may be the reason:

- **There was an error parsing the file:** Some parsing errors result in the file not being parsed and therefore not subsequently scanned. Look at the [error messages reported by Fortify](#) and see if any occur in the files that are not scanned. If this is the reason, the resolution is the same as [handling a parsing or syntax error](#). Additionally, it would be useful to include a document that indicates that the files are not scanned due to the parsing errors to ensure that they are not overlooked during the review.
Note that in version 4.40 we have seen multiple instances where the parsing errors are not being reported to the user. In these cases, it is necessary to generate a log file (see [How to create a Fortify log file](#)) to see the parsing errors. If you have parsing errors reported in the log file, please handle them in the same manner as you would handle other parsing errors.
- **The file was empty:** When Fortify encounters an empty code file or a file containing an empty class, "It shows in the translate as building line numbers, but it will not be included in the scan because when we build the NST's there is nothing to include since the class is empty (and thus the whole file)." (Quote from Fortify technical support). If you have empty files or classes not shown as scanned by Fortify, include a file with your V&V validation package that lists the files that were not scanned with an explanation that they (or the class that they contain) is empty so Fortify does not scan them.
- **In .NET there are partial classes/empty classes/classes with only get/set methods:** There are several types of .NET files that may show up as not scanned using the [recommended code comparison methods](#), including partial classes, classes that have no implementation in them, and classes that only contain get and set methods. While they don't show up in the code comparison, they will often show up as scanned, but with a size of 0 bytes in the Build Information tab in the Project Summary window of Audit Workbench and the IDE plugins. If files are not scanned because they fall into this category, include a file with your V&V validation package that lists the files that were not scanned with an explanation including to which of these categories they belong.

References

- See referenced technical notes
- [Fortify Scan Issue: Code not scanned](#)

HPE Fortify Version	4.40 and later
Programming Language	<input checked="" type="checkbox"/> C/C++ <input checked="" type="checkbox"/> .NET <input checked="" type="checkbox"/> Java <input checked="" type="checkbox"/> Objective-C <input checked="" type="checkbox"/> Other
Fortify Audit Workbench	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Fortify IDE Plugin	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Other Fortify Component	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

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